

SEQUENCE LISTING

<110> Wittwer, Carl T.
 Ririe, Kirk M.
 Rasmussen, Randy P.
 Hillyard, David R.

<120> CONTAINER FOR CARRYING OUT AND MONITORING BIOLOGICAL
 PROCESSES

<130> 7475-66667

<140>

<141>

<150> 08/869,725

<151> 1997-06-04

<150> 08/658,993

<151> 1996-06-04

<150> 08/537,612

<151> 1995-10-02

<150> 08/179,969

<151> 1994-01-10

<150> 07/815,966

<151> 1992-01-02

<150> 07/534,029

<151> 1990-06-04

<160> 6

<170> PatentIn Ver. 2.0

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2


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120 WS=(DS*10+WS*9)/10:TX=INT(WS+0.5):GOSUB 15
125 XBY(65508)=TX:GOSUB 50:IF TP>TG GOTO 140
130 IF TX<>DS*10 GOTO 120
133 GOSUB 30
135 GOSUB 50:IF TP<TG GOTO 135
140 TG=DTMP:TB=TIME
145 WS=(5*WS+10*(TG-TP))/7:TX=INT(WS+0.5)
150 IF TG>0 THEN GOSUB 35:XBY(65508)=TX:XBY(65509)=4
155 IF TX<0 THEN GOSUB 20:XBY(65508)=0:XBY(65509)=4-TX
160 IF V=1 THEN IF DTMP-5>(TIME-TB) GOTO 180
170 IF DTMP<(TIME-TB) GOTO 500
180 GOSUB 50: GOTO 145

500 PRINT "A",:XBY(65508)=0:TG=ATMP
845 S(0)="spl 200;gol nd;hsl 2;wfo =.x...sl":GOSUB 3:
855 XBY(65509)=AS*10
860 GOSUB 30
890 TB=TIME:WS=-AS*10
911 WS=(4*WS+20*(TG-TP))/5:TX=INT(WS+0.5)
915 IF TG>0 THEN GOSUB 25:XBY(65508)=TX:XBY(65509)=4
918 IF TX<0 THEN GOSUB 20:XBY(65508)=0:XBY(65509)=4-TX
920 IF ATMP-1<(TIME-TB) GOTO 925
924 GOSUB 50: GOTO 911

925 PRINT:PRINT "E",:XBY(65509)=4:TG=ATMP+1
930 S(0)="hsl 1;spl 50;gol:wfo =x...sl":GOSUB 3:WS=0: REM CLOSE
935 WS=(DS*10+WS*9)/10:TX=INT(WS+0.5):GOSUB 15:GOSUB 25:XBY(65508)=TX
937 GOSUB 50:IF TP>TG-1 GOTO 970
940 IF TX<>DS*10 GOTO 935
950 GOSUB 50: IF TP<TG-1 GOTO 950
970 TB=TIME
980 WS=(WS+5*(TG-TP))/2:TX=INT(WS+0.5)
983 IF TG>0 THEN GOSUB 25:XBY(65508)=TX:XBY(65509)=4
987 IF TX<0 THEN GOSUB 20:XBY(65508)=0:XBY(65509)=4-TX
990 IF DTMP<(TIME-TB) GOTO 1000
995 GOSUB 50: GOTO 980
1000 CTIME=TIME-TMC: TAC=TIME: PRINT "CYCLE",V,"TIME",CTIME
1050 NEXT V

1055 XBY(65508)=0:XBY(65509)=255
1060 INPUT "STRAND REANNEALING (Y/N) ?":S(1)
1070 IF ASC(S(1),1)=73 GOTO 1190
1100 PRINT "STRAND REANNEALING IN PROCESS..."
1110 TG=DTMP:XBY(65509)=4
1120 WS=(DS*10+WS*9)/10:TX=INT(WS+0.5):GOSUB 15
1130 XBY(65508)=TX:GOSUB 50:IF TP>TG GOTO 1170
1140 IF TX<>DS*10 GOTO 1120
1150 GOSUB 30
1155 GOSUB 50:IF TP<TG GOTO 1160
1170 TB=TIME
1180 WS=(11*WS+10*(TG-TP))/12:TX=INT(WS+0.5)
1185 IF TG>0 THEN GOSUB 25:XBY(65508)=TX:XBY(65509)=4
1190 IF TX<0 THEN GOSUB 20:XBY(65508)=0:XBY(65509)=4-TX
1193 IF 5<(TIME-TB) GOTO 1200
1196 GOSUB 50: GOTO 1190
1200 XBY(65508)=0:XBY(65509)=255:WS=0
1210 DO:GOSUB 50:UNTIL TP<75

1220 TB=TIME
1230 WS=(WS+5*(75-TP))/2:TX=INT(WS+0.5)
1240 IF TG>0 THEN GOSUB 25:XBY(65508)=TX:XBY(65509)=4
1250 IF TX<0 THEN GOSUB 20:XBY(65508)=0:XBY(65509)=4-TX
1260 IF 50<(TIME-TB) GOTO 1280
1270 GOSUB 50: GOTO 1230

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1280 KEY(65508)=0:KEY(65509)=155
1290 INPUT "ANOTHER RUN (Y/N) ?",$ (1)
1300 IF ASC$(1,1)=78 GOTO 2000
1400 PRINT:$ (0)="go! nd;hll 9;wfo =.x..;sl":GOSUB 1:GOTO 80
2000 $ (0)="go! nd;hll 9;wfo =.x..;sl":GOSUB 1:END

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00631339 080300

Temperature processor(IC 2) hex file (Temp24a.hex):

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Stepper processor(IC 3) hex file(Step23.hex):

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Serial snoop processor(IC 16) hex file(Serial5.hex):

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